IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An automated chemical synthesizer comprising:

a plurality of reaction vessels in which synthetic reactions are to be carried out according to a synthesizing process;

at least one liquid dispenser configured to dispense liquid chemicals to a selected reaction vessel among said plurality of reaction vessels;

a distance finding device configured to find a distance between a position of the at least one liquid dispenser and a position of the selected reaction vessel;

a moving time calculator configured to calculate moving time to move the at least one liquid dispenser to the selected reaction vessel; and

an execution time calculator configured to calculate presumed execution time to carry out a predetermined scope of the synthesizing process using the moving time before said predetermined scope of the synthesizing process is actually carried out.

2. (Original) An automated chemical synthesizer according to Claim 1, wherein said predetermined scope is an entirety of the synthesizing process.

3. (Original) An automated chemical synthesizer according to Claim 1, wherein said predetermined scope is a part of the synthesizing process.

4. (Original) An automated chemical synthesizer according to Claim 1, wherein the execution time calculator is configured to calculate the presumed execution time before the synthesizing process starts.

5. (Currently Amended) An automated chemical synthesizer according to Claim 3 [[1]], wherein the execution time calculator is configured to calculate the presumed execution time while the synthesizing process other than the part of the synthesizing process is carried out.

6. (Original) An automated chemical synthesizer according to Claim 1, wherein the execution time calculator is configured to calculate the presumed execution time before and while the synthesizing process is carried out.

7. (Original) An automated chemical synthesizer according to Claim 1, further comprising:

an output device configured to output the presumed execution time calculated by the execution time calculator.

8. (Original) An automated chemical synthesizer according to Claim 1, wherein the synthesizing process includes a plurality of processes and wherein the execution time calculator is configured to calculate the execution time by adding a partial execution time to carry out each of the plurality of processes.

9. (Currently Amended) An automated chemical synthesizer according to Claim 8, ~~further comprising:~~ wherein ~~at least one liquid dispenser configured to dispense liquid chemicals to said plurality of reaction vessels during a dispensing process of the plurality of processes,~~ the execution time calculator ~~being~~ is configured to calculate the partial execution time to carry out a [the] dispensing process by adding times during which the liquid dispenser draws the liquid chemicals, moves, and injects the liquid chemicals from the liquid dispenser.

10. (Original) An automated chemical synthesizer according to Claim 9, further comprising:

a storage configured to memorize positions at which the liquid chemicals are positioned, kinds of liquid chemicals, a drawing speed at which the liquid dispenser draws the liquid chemicals, and an injecting speed at which the liquid dispenser injects the liquid chemicals.

11. (Original) An automated chemical synthesizer according to Claim 9, wherein said at least one liquid dispenser is configured to dispense the solvents and reagents to said plural reaction vessels.

12. (Original) An automated chemical synthesizer according to Claim 11, wherein said at least one liquid dispenser comprises:

a first liquid dispenser configured to dispense the reagents to said plural reaction vessels; and

a second liquid dispenser configured to dispense the solvents to said plural reaction vessels.

13. (Original) An automated chemical synthesizer according to Claim 8, wherein the plurality of processes include a reaction process, the execution time calculator being configured to calculate the partial execution time to carry out the reaction process based on a predetermined reaction time.

14. (Original) An automated chemical synthesizer according to Claim 13, further comprising:

a temperature controlling mechanism configured to control temperature of each of the plurality of reaction vessels to be a target temperature; and

a storage configured to memorize information with respect to a temperature increasing time during which the temperature increases to the target temperature and a temperature decreasing time during which the temperature decreases to a room temperature.

15. (Original) An automated chemical synthesizer according to Claim 14, wherein the storage is configured to memorize the relationship between the target temperature and the temperature increasing and decreasing time.

16. (Original) An automated chemical synthesizer according to Claim 8, wherein the plurality of processes include a stirring process, the execution time calculator being

configured to calculate the partial execution time to carry out the stirring process based on a predetermined stirring time.

17. (Currently Amended) An automated chemical synthesizer comprising:

a plurality of reaction vessels in which synthetic reactions are to be carried out according to a synthesizing process;

at least one liquid dispensing means for dispensing liquid chemicals to a selected reaction vessel among said plurality of reaction vessels;

distance finding means for finding a distance between a position of the at least one liquid dispenser and a position of the selected reaction vessel;

moving time calculating means for calculating moving time to move the at least one liquid dispenser to the selected reaction vessel; and

an execution time calculating means for calculating presumed execution time to carry out a predetermined scope of the synthesizing process using the moving time before said predetermined scope of the synthesizing process is actually carried out.